

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** An in-vitro method for identifying guanylate binding protein-1 in a sample comprising:

- (a) contacting a sample of the a supernatant of a tissue culture, a sample of the a supernatant of a cell culture or a sample of the supernatant of a body fluid with a first receptor-antibody which specifically binds guanylate binding protein-1 or a fragment of guanylate binding protein-1; and
- (b) detecting a specific binding of the receptor-antibody with guanylate binding protein-1 or a fragment of aguanylate binding protein-1; and

thereby identifying the presence of guanylate binding protein-1 in the supernatant of said tissue sample culture, the supernatant of said cell culture sample or body fluid sample.

2. **(Canceled)**

3. **(Currently Amended)** The method according to claim 1, wherein the receptor-antibody is immobilized on a surface prior to contacting with guanylate binding protein-1, or fragment of guanylate binding protein-1.

4. **(Currently Amended)** The method according to claim 1, wherein the receptor-antibody is immobilized on a surface after contacting with guanylate binding protein-1, or fragment of guanylate binding protein-1.

5. **(Previously Presented)** The method according to claim 3 or 4, wherein the material of the surface is selected from the group consisting of sepharose, latex, glass, polystyrene, polyvinyl, nitrocellulose and silicon.

6. **(Previously Presented)** The method according to claim 3 or 4, wherein the surface is a membrane, a bead, a chip or a plate.

7. **(Currently Amended)** The method according to claim 6, further comprising, prior to step (b):

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(a'') precipitating the beads with complexes that are bound to said beads, said complexes comprising the first ~~receptor~~ antibody and guanylate binding protein-1, ~~or fragment of guanylate binding protein-1.~~

8. **(Currently Amended)** The method according to claim 1, wherein the detection of the specific binding in step (b) comprises a gel electrophoretic separation ~~analysis.~~

9. **(Currently Amended)** The method according to claim 1, wherein for the detection of a specific binding of said guanylate binding protein-1 ~~or fragment of guanylate binding protein-1~~ with the first ~~receptor~~ antibody in step (a), the sample is contacted with a second ~~receptor~~ antibody specific for guanylate binding protein-1 or fragment of guanylate binding protein-1 which binds to an epitope of guanylate binding protein-1 ~~or fragment of guanylate binding protein-1~~ that is accessible after the binding of the first ~~receptor~~ antibody to said guanylate binding protein-1 ~~or fragment of guanylate binding protein-1.~~

10. **(Currently Amended)** The method according to claim 9, wherein the second ~~receptor~~ antibody is labeled, ~~for guanylate binding protein-1 or fragments of guanylate binding protein-1~~ ~~is labelled.~~

11. **(Previously Presented)** The method according to claim 10, wherein the label of the second receptor for guanylate binding protein-1 or fragment of guanylate binding protein-1 comprises a system emitting a signal.

12. **(Previously Presented)** The method according to claim 11, wherein the system emitting a signal comprises an enzyme emitting the signal.

13. **(Canceled)**

14. **(Previously Presented)** The method according to claim 1, wherein the method is an ELISA, an EIA or a RIA.

15. **(Previously Presented)** The method according to claim 1, wherein the method is carried out automatically.

16. **(Canceled)**

17. **(Currently Amended)** The method according to claim 1_6, wherein said antibody is a polyclonal antibody.

18. **(Currently Amended)** The method according to claim 1_6, wherein said antibody is a monoclonal antibody.

19. **(Previously Presented)** The method according to claim 1, wherein the amount of identified guanylate binding protein-1 is quantified.

20. **(Currently Amended)** The method according to claim 1, wherein said tissue culture comprises cultivated endothelial cells.

21. **(Previously Presented)** The method according to claim 1, wherein said body fluid is human serum, human plasma or human liquor.

22. **(Previously Presented)** The method according to claim 1, wherein said cell culture comprises endothelial cells.

23. **(Previously Presented)** The method according to claim 8, wherein said detection step comprises a Western blot.

24. **(Currently Amended)** The method according to claim 9, wherein the label on said second receptor-antibody is specifically recognized by a third receptor-antibody comprising a system emitting a signal.

25. **(Canceled)**